



Program of Study
Career Field: Industrial, Manufacturing, and Engineering Systems
Career Cluster: Architecture and Construction
Career Pathway: Design/Pre-Construction



Central Community College

DEGREE:
 Drafting-Engineering Drafting Specialization

<http://www.cccneb.edu/igsbase/igstemplate.cfm?SRC=SP&SRCN=programchart3&GnavID=20&SnavID=&TnavID=&cccProgramID=87&LS=&PS=&KS=&DDCTypeID=1&cccEndorsementIDsearch=128>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES			EXTENDED LEARNING SCHOOL/COMMUNITY	
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education Health Education Entrepreneurship Information Technology App. I CAD (Computer Aided Drafting) Construction Principles of Construction	Intro to the Built Environment			School Activities: SkillsUSA, OPPD/NPPD Power Drive, Math Club, MATHCOUNTS	
	10	English/Language Arts II	Geometry	Biology	World History		Plus two from the following list: Language of Architecture & Construction Principles of Design & Pre-construction Applications in Design & Pre-construction Intro to Architecture Technology Housing & Home Furnishings			Community Activities: Connect with architects in your area, Do home repair projects, Learn about the history of the buildings in your community, Part-time employment available within this career cluster	
	11	English/Language Arts III	Algebra II	Chemistry	American History						
	12	English/Language Arts IV	Intro to Statistics Descrete Math Pre-Calc	Physics	American Government or Economcis						
CENTRAL COMMUNITY COLLEGE		COMMUNICATIONS	MATH/SCIENCE	PERSONAL DEVELOPMENT	SOC/ BEHAVIORAL SCIENCES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13 and 14	Select 3 hours from the following: Applied Writing Eng. Composition Writing & Research	Select 3 hours from the following: Technical Math College Algebra Analytic Geometry & Calculus I	Select 3 hours from the following: American History to 1877 American History after 1877	Select 3 hours from the following: American Government Human Relations	13 Hours Drafting Electives	Basic Drafting I	Basic Drafting II	Dimensioning - G, D, & T	Threads, Fasteners, & Springs	Overview of Manufacturing Processes
						6 Hours Student Electives	Basic CAD Operations	Intersections & Developments	Production Drawing	Intermediate CAD Applications	Engineering Drafting Course